

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1 1. (Currently amended): A method of communicating information received
2 during a multimedia presentation, comprising:
3 providing an adapter comprising a transceiver;
4 receiving, at the adapter, at least one of video information or audio information
5 from a first system, the at least one of video information or audio information generated from a
6 presentation file;
7 receiving, at the adapter, at least one of audio or video information from a capture
8 device, the information captured by the capture device during the multimedia presentation;
9 differencing between a first video frame and a second video frame, at the adapter,
10 of the video information received from the first system or the capture device;
11 selecting based on the differencing, at the adapter, a set of one or more keyframes
12 from the video information received from the first system or the capture device in response to a
13 user-configurable threshold; and
14 communicating, from the adapter using the transceiver, one or more keyframes
15 from the set of keyframes.

1 2. (Previously presented): The method of claim 1:
2 further comprising synchronizing the audio information received at the adapter
3 with the selected set of keyframes.

1 3. (Previously presented): The method of claim 1 further comprising:
2 storing the set of keyframes in a memory coupled to the adapter.

1 4. (Previously presented): The method of claim 3 further comprising:

2 receiving, at the adapter, a request from a device requesting transmission of a first
3 portion of the set of keyframes;

4 in response to the request, determining the first portion of the set of keyframes
5 requested by the device and corresponding audio information; and

6 transmitting the first portion of the set of keyframes and corresponding audio
7 information to the device.

1 5. (Previously presented): The method of claim 4 wherein the request
2 received from the device requests transmission of information received by the adapter from the
3 first system.

1 6. (Previously presented): The method of claim 4 wherein the request
2 received from the device requests transmission of information received by the adapter from the
3 capture device.

1 7. (Previously presented): The method of claim 4 wherein the request
2 received from the device requests transmission of audio information received by the adapter.

1 8. (Previously presented): The method of claim 4 wherein the request
2 received from the device requests transmission of video information received by the adapter.

1 9. (Previously presented): The method of claim 4 wherein the request
2 received from the device requests transmission of audio or video information received by the
3 adapter from the first system and the capture device between a start time and an end time.

1 10. (Currently amended): The method of claim 1 further comprising;
2 processing, at the adapter, the information received from the first system and the
3 information received from the capture device to generate a first representation;
4 wherein communicating the information from the adapter further comprises
5 transmitting at least a portion of the first representation from the adapter;

6 wherein processing the information received from the first system and the
7 information received from the capture device to generate the first representation comprises:
8 selecting a plurality of video frames from video information received by the
9 adapter;
10 synchronizing the plurality of video frames with audio information received by
11 the adapter; and
12 storing information related to the plurality of video frames.

1 11. (Previously presented): The method of claim 10:
2 wherein processing the information received from the first system and the
3 information received from the capture device to generate the first representation further
4 comprises:
5 generating a web page for each video frame in the plurality of video frames, each
6 web page including a video frame;
7 assigning a uniform resource locator (URL) to each web page; and
8 wherein transmitting at least a portion of the first representation comprises
9 transmitting at least one URL assigned to a web page.

1 12. (Previously presented): The method of claim 11 wherein transmitting at
2 least a portion of the first representation comprises:
3 receiving, at the adapter, a request from a device identifying a first URL;
4 in response to the request, determining a first web page corresponding to the first
5 URL; and
6 transmitting the first web page to the device.

1 13. (Currently amended): The method of claim 1 wherein selecting the set of
2 one or more keyframes in response to the user-configurable threshold comprises selecting frames
3 of video at a predetermined sampling interval.

1 14. (Currently amended): A computer program product stored on a computer
2 readable medium and executed by an adapter for communicating information received during a
3 multimedia presentation, comprising:

4 code for receiving information from a first system, the information comprising at
5 least one of video information or audio information generated from a presentation file;

6 code for receiving at least one of audio or video information from a capture
7 device, the at least one of audio or video information captured by the capture device during the
8 multimedia presentation;

9 code for differencing between a first video frame and a second video frame of the
10 video information received from the first system or the capture device;

11 code for selecting based on the differencing, at the adapter, a set of one or more
12 keyframes from the video information received from the first system or the capture device in
13 response to a user-configurable threshold; and

14 code for communicating one or more keyframes from the set of keyframes.

1 15. (Previously presented): The computer program product of claim 14:
2 further comprising code for synchronizing the audio information received at the
3 adapter with the selected set of keyframes.

1 16. (Previously presented): The computer program product of claim 14
2 further comprising:

3 code for storing the set of keyframes in a memory coupled to the adapter.

1 17. (Previously presented): The computer program product of claim 16
2 further comprising:

3 code for receiving at the adapter a request from a device requesting transmission
4 of a first portion of the set of keyframes;

5 in response to the request, code for determining the first portion of the set of
6 keyframes requested by the device and corresponding audio information; and

code for transmitting the first portion of the set of keyframes and corresponding audio information to the device.

18. (Previously presented): The computer program product of claim 17 wherein the request received from the device requests transmission of information received from the first system.

19. (Previously presented): The computer program product of claim 17 wherein the request received from the device requests transmission of information received from the capture device.

20. (Previously presented): The computer program product of claim 17 wherein the request received from the device requests transmission of audio information received from the first system and the capture device.

21. (Previously presented): The computer program product of claim 17 wherein the request received from the device requests transmission of video information received from the first system and the capture device.

22. (Previously presented): The computer program product of claim 17 wherein the request received from the device requests transmission of audio or video information received from the first system and the capture device between a start time and an end time.

23. (Previously presented): The computer program product of claim 14 further comprising code for processing the information received from the first system and the information received from the capture device to generate a first representation;
wherein the code for communicating further comprises code for transmitting at least a portion of the first representation;
wherein the code for processing the information received from the first system and the information received from the capture device to generate the first representation comprises:

9 code for selecting a plurality of video frames from video information received
10 from the first system and from the capture device;
11 code for synchronizing the plurality of video frames with audio information
12 received from the first system and with audio information received from the capture device; and
13 code for storing information related to the plurality of video frames.

1 24. (Previously presented): The computer program product of claim 23
2 wherein the code for processing the information received from the first system
3 and the information received from the capture device to generate the first representation further
4 comprises:

5 code for generating a web page for each video frame in the plurality of video
6 frames, each web page including a video frame;
7 code for assigning a uniform resource locator (URL) to each web page; and
8 wherein the code for transmitting at least a portion of the first representation
9 comprises code for transmitting at least one URL assigned to a web page.

1 25. (Previously presented): The computer program product of claim 24
2 wherein the code for transmitting at least a portion of the first representation comprises:
3 code for receiving a request from a device identifying a first URL;
4 in response to the request, code for determining a first web page corresponding to
5 the first URL; and
6 code for transmitting the first web page to the device.

1 26. (Previously presented): The computer program product of claim 23
2 wherein the code for transmitting at least a portion of the first representation comprises:
3 code for receiving a request from a device requesting transmission of a set of
4 video frames from the plurality of video frames; and
5 in response to the request, code for transmitting the set of video frames to the
6 device.

1 27. (Currently amended): A system for communicating information received
2 during a multimedia presentation, the system comprising:
3 an input module; and
4 a communication module;
5 wherein the input module is configured to:
6 receive at least one of audio or video information from a first system, the
7 at least one of video information or audio information generated from a presentation file;
8 receive information from a capture device, the information received from
9 the capture device comprising at least one of audio or video information captured by the
10 capture device during the multimedia presentation;
11 perform differencing between a first video frame from a second video
12 frame of the video information received from the first system or the capture device;
13 select based on the differencing[.,]] ~~at the adapter~~, a set of one or more
14 keyframes from the video information received from the first system or the capture
15 device in response to a user-configurable threshold; and
16 wherein the communication module is configured to communicate one or more
17 keyframes of the set of keyframes.

1 28. (Previously presented): The system of claim 27 wherein:
2 the input module is further configured to synchronize the audio information
3 received at the adapter with the selected set of keyframes.

1 29. (Previously presented): The system of claim 27 wherein the input module
2 includes a processor configured to store the set of keyframes in a memory coupled to the input
3 module.

1 30. (Previously presented): The system of claim 29 further configured to
2 receive a request from a device requesting transmission of a first portion of the set of keyframes,
3 and wherein:

4 the processor is configured to determine the first portion of the set of keyframes
5 requested by the device and corresponding audio information; and

6 the communication module is configured to communicate the first portion of the
7 set of keyframes and corresponding audio information to the device.

1 31. (Previously presented): The system of claim 30 wherein the request
2 received from the device requests transmission of information received from the first system.

1 32. (Previously presented): The system of claim 30 wherein the request
2 received from the device requests transmission of information received from the capture device.

1 33. (Previously presented): The system of claim 30 wherein the request
2 received from the device requests transmission of audio information received from the first
3 system and the capture device.

1 34. (Previously presented): The system of claim 30 wherein the request
2 received from the device requests transmission of video information received from the first
3 system and the capture device.

1 35. (Previously presented): The system of claim 30 wherein the request
2 received from the device requests transmission of audio or video information received from the
3 first system and the capture device between a start time and an end time.

1 36. (Previously presented): The system of claim 29 wherein the processor is
2 further configured to select the set of keyframes as a plurality of video frames from video
3 information received by the input module, to synchronize the plurality of video frames with
4 audio information received by the input module, and to store information related to the plurality
5 of video frames.

1 37. (Previously presented): The system of claim 36 wherein:
2 the processor is configured to:

3 generate a web page for each video frame in the plurality of video frames,
4 each web page including a video frame; and
5 assign a uniform resource locator (URL) to each web page; and
6 the communication module is configured to communicate at least one URL
7 assigned to a web page.

1 38. (Previously presented): The system of claim 37 further configured to
2 receive a request from a device identifying a first URL, and wherein:
3 the processor is configured to determine a first web page corresponding to the
4 first URL; and
5 the communication module is configured to communicate the first web page to the
6 device.

1 39. (Previously presented): The system of claim 36 further configured to
2 receive a request from a device requesting transmission of a set of video frames from the
3 plurality of video frames, and wherein, in response to the request, the communication module is
4 configured to transmit the set of video frames to the device.

1 40. (Currently amended): A method of communicating information received
2 during presentation of information from a presentation file, comprising:
3 providing a physical adapter;
4 receiving, at the physical adapter, at least one of video information or audio
5 information from a first data processing system communicably coupled to the physical adapter,
6 the at least one of video information or audio information received during presentation of the
7 information from the presentation file and generated as a result of outputting contents of the
8 presentation file;
9 differencing between a first video frame and a second video frame, at the physical
10 adapter, of the video information received from the first data processing system;

11 selecting based on the differencing, at the physical adapter, a set of one or more
12 keyframes based at least upon the video information received from the first data processing
13 system in response to a user-configurable threshold; and
14 transmitting one or more keyframes of the set of keyframes to a second data
15 processing system, wherein the second data processing system is enabled to output the
16 information received from the adapter.

1 41. (Currently amended): The method of claim 1 wherein differencing
2 between a first video frame and a second video frame selecting the set of one or more keyframes
3 comprises comparing a first frame of video to a subsequent second frame of video and
4 identifying the second frame as different from the first frame; further comprising storing both the
5 first frame of video and the second frame of video.

1 42. (Previously presented): The method of claim 41 wherein identifying the
2 second frame of video as different from the first frame of video comprises comparing the
3 difference between the second frame of video and the first frame of video to a predetermined
4 threshold.

1 43. (Previously presented): The method of claim 41 wherein identifying the
2 second frame of video as different from the first frame of video comprises comparing image
3 pixels of the first frame of video and the second frame of video.

1 44. (Currently amended): The computer program product of claim 14 wherein
2 the code for differencing between a first video frame and a second video frame selecting the set
3 of one or more keyframes comprises code for comparing a first frame of video to a subsequent
4 second frame of video and identifying the second frame as different from the first frame; further
5 comprising code for storing both the first frame of video and the second frame of video.

1 45. (Previously presented): The computer program product of claim 44
2 wherein the code for identifying the second frame of video as different from the first frame of

3 video comprises code for comparing the difference between the second frame of video and the
4 first frame of video to a predetermined threshold.

1 46. (Previously presented): The computer program product of claim 45
2 wherein the code for identifying the second frame of video as different from the first frame of
3 video comprises code for comparing image pixels of the first frame of video and the second
4 frame of video.

1 47. (Currently amended): The computer program product of claim 14 wherein
2 the code for selecting the set of keyframes in response to the user-configurable threshold
3 comprises code for selecting frames of video at a predetermined sampling interval.